distribution and ore grade. If the applicant elects to pursue the "banking" option described in paragraph (d) of this section, and wishes to apply for an exploration area larger than 150,000 square kilometers, the applicant must file a second application with respect to at least the area in excess of 150,000 square kilometers, unless the applicant justifies such excess area as part of a single application under the preceding sentence.

[46 FR 45907, Sept. 15, 1981, as amended at 47 FR 5968, Feb. 9, 1982]

§ 970.602 Diligent exploration.

(a) Each licensee must pursue diligently the activities described in his approved exploration plan. This requirement applies to the full scope of the plan, including environmental safeguards and monitoring systems. To help assure this diligence, terms, conditions and restrictions which the Administrator issues with a license will require such periodic reasonable expenditures for exploration by the licensee as the Administrator may establish, taking into account the size of the area of the deep seabed to which the exploration plan applies and the amount of funds which is estimated by the Administrator to be required during exploration for commercial recovery of hard mineral resources to begin within the time limit established by the Administrator. However, such required expenditures will not be established at a level which would discourage exploration by persons with less costly technology than is prevalently in use.

(b) In order to fulfill the diligence requirement, the applicant first must propose to the Administrator an estimated schedule of activities and expenditures pursuant to § 970.203(b) (3) and (6). The schedule must show, and the Administrator must be able to make a reasonable determination, that the applicant can complete his exploration activities within the term of the license. In this regard, there must be a reasonable relationship between the size of the exploration area and the financial and technological resources reflected in the application. Also, the exploration must clearly point toward developing the ability, by the end of the 10-year license period, to apply for and obtain a permit for commercial recovery.

(c) Ultimately, the diligence requirement will involve a retrospective determination by the Administrator, based on the licensee's reasonable conformance to the approved exploration plan. Such determination, however, will take into account the need for some degree of flexibility in an exploration plan. It also will include consideration of the needs and stage of development of each licensee, again based on the approved exploration plan. In addition, the determination will take account of legitimate periods of time when there is no or very low expenditure, and will allow for a certain degree of flexibility for changes encountered by the licensee in such factors as its resource knowledge and financial considerations.

(d) In order for the Administrator to make determinations on a licensee's adherence to the diligence requirements, the licensee must submit a report annually reflecting his conformance to the schedule of activities and expenditures contained in the license. In case of any changes requiring a revision to an approved license and exploration plan, the licensee must advise the Administrator in accordance with § 970.513.

§ 970.603 Conservation of resources.

(a) With respect to the exploration phase of seabed mining, the requirement for the conservation of natural resources, encompassing due regard for the prevention of waste and the future opportunity for the commercial recovery of the unrecovered balance of the hard mineral resources in the area to which the license applies, may not be particularly relevant. Thus, since the Act requires such terms, conditions and restrictions only as needed, exploration licenses will require such provisions only as the Administrator deems necessary.

(b) NOAA views license phase mining system tests as an opportunity to examine, with industry, the conservation implications of any mining patterns used. Thus, in order to develop information needed for future decisions during commercial recovery, NOAA will

include with a license a requirement for the submission of collector track and nodule production data. Only if information submitted reflects that the integrated system tests are resulting in undue waste or threatening the future opportunity for commercial recovery of the unrecovered balance of hard mineral resources will the Administrator modify the terms, conditions or restrictions pertaining to the conservation of natural resources, in order to address such problems.

(c) If the Administrator so modifies such terms, conditions and restrictions relating to conservation of resources, he will employ a balancing process in the consideration of the state of the technology being developed, the processing system utilized and the value and potential use of any waste, the environmental effects of the exploration activities, economic and resource data, and the national need for hard mineral resources.

Subpart G—Environmental Effects

SOURCE: 46 FR 45908, Sept. 15, 1981, unless otherwise noted.

§ 970.700 General.

Congress, in authorizing the exploration for hard mineral resources under the Act, also enacted provisions relating to the protection of the marine environment from the effects of exploration activities. For example, before the Administrator may issue a license, pursuant to section 105(a)(4) of the Act he must find that the exploration proposed in an application cannot reasonably be expected to result in a significant adverse effect on the quality of the environment. Also, the Act requires in section 109(b) that each license issued by the Administrator must contain such terms, conditions and restrictions which prescribe the actions the licensee must take in the conduct of exploration activities to assure protection of the environment. Furthermore, the Act in section 105(c)(1)(B) provides for the modification by the Administrator of any term, condition or restriction if relevant data and other information indicates that modification is required to protect the quality of the environment. In addition, section 114 of the Act specifies that each license issued under the Act must require the licensee to monitor the environmental effects of the exploration activities in accordance with guidelines issued by the Administrator, and to submit such information as the Administrator finds to be necessary and appropriate to assess environmental impacts and to develop and evaluate possible methods of mitigating adverse environmental effects.

§ 970.701 Significant adverse environmental effects.

(a) *Activities with no significant impact.* NOAA believes that exploration activities of the type listed below are very similar or identical to activities considered in section 6(c)(3) of NOAA Directives Manual 02–10, and therefore have no potential for significant environmental impact, and will require no further environmental assessment.

(1) Gravity and magnetometric observations and measurements;

(2) Bottom and sub-bottom acoustic profiling or imaging without the use of explosives;

(3) Mineral sampling of a limited nature such as those using either core, grab or basket samplers;

(4) Water and biotic sampling, if the sampling does not adversely affect shellfish beds, marine mammals, or an endangered species, or if permitted by the National Marine Fisheries Service or another Federal agency;

(5) Meteorological observations and measurements, including the setting of instruments;

(6) Hydrographic and oceanographic observations and measurements, including the setting of instruments;

(7) Sampling by box core, small diameter core or grab sampler, to determine seabed geological or geotechnical properties;

(8) Television and still photographic observation and measurements;

(9) Shipboard mineral assaying and analysis; and

(10) Positioning systems, including bottom transponders and surface and subsurface buoys filed in *Notices to Mariners*.

(b) *Activities with potential impact.* (1) NOAA research has identified at-sea testing of recovery equipment and the